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(51) International Patent Classification ⁶ : C07H 21/00, C12Q 1/68 C07H 23/00		A3	(11) International Publication Number: WO 98/20162 (43) International Publication Date: 14 May 1998 (14.05.98)																					
(21) International Application Number: PCT/US97/20014 (22) International Filing Date: 5 November 1997 (05.11.97) (30) Priority Data: <table border="0"><tr><td>08/743,798</td><td>5 November 1996 (05.11.96)</td><td>US</td></tr><tr><td>60/040,155</td><td>7 March 1997 (07.03.97)</td><td>US</td></tr><tr><td>08/873,597</td><td>12 June 1997 (12.06.97)</td><td>US</td></tr><tr><td>08/873,978</td><td>12 June 1997 (12.06.97)</td><td>US</td></tr><tr><td>08/899,510</td><td>24 July 1997 (24.07.97)</td><td>US</td></tr><tr><td>08/911,085</td><td>14 August 1997 (14.08.97)</td><td>US</td></tr><tr><td>08/911,589</td><td>14 August 1997 (14.08.97)</td><td>US</td></tr></table> (71) Applicant (for all designated States except US): CLINICAL MICRO SENSORS [US/US]; 101 Waverly Drive, Pasadena, CA 91105 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): KAYYEM, Jon, F. [US/US]; 428 South Sierra Bonita Avenue, Pasadena, CA 91106 (US). O'CONNOR, Stephen, D. [US/US]; 4222 South El Molino #16, Pasadena, CA 91106 (US). GOZIN, Michael [IL/US]; 276 South El Molino #33, Pasadena, CA 91101 (US). YU, Changjun [CN/US]; 400 Raymondale Drive #32, Pasadena, CA 91030 (US).		08/743,798	5 November 1996 (05.11.96)	US	60/040,155	7 March 1997 (07.03.97)	US	08/873,597	12 June 1997 (12.06.97)	US	08/873,978	12 June 1997 (12.06.97)	US	08/899,510	24 July 1997 (24.07.97)	US	08/911,085	14 August 1997 (14.08.97)	US	08/911,589	14 August 1997 (14.08.97)	US	(74) Agents: SILVA, Robin, M. et al.; Flehr, Hohbach, Test, Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111-4187 (US). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 12 November 1998 (12.11.98)	
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(54) Title: ELECTRODES LINKED VIA CONDUCTIVE OLIGOMERS TO NUCLEIC ACIDS																								
(57) Abstract <p>The invention relates to nucleic acids covalently coupled to electrodes via conductive oligomers. More particularly, the invention is directed to the site-selective modification of nucleic acids with electron transfer moieties and electrodes to produce a new class of biomaterials, and to methods of making and using them.</p>																								

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 97/20014

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C07H21/00 C12Q1/68 C07H23/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C07H C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 95 15971 A (CALIFORNIA INST OF TECHN) 15 June 1995 cited in the application see claims 1-20; figures 1-4; examples 1-7 ---	1-29
Y	R.P.HSUNG ET AL.: "Synthesis and Characterization of Unsymmetric Ferrocene-Terminated Phenylethynyl Oligomers." ORGANOMETALLICS, vol. 14, no. 10, 1995, pages 4808-4815, XP002077968 cited in the application see the whole document ---	1-29
Y	WO 93 10267 A (IGEN INC) 27 May 1993 see abstract; claim 1 ---	1-29
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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International Application No
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